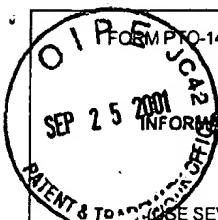


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SHEET 1 OF 2



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MVIEWD.1A2DV1

APPLICATION NO.
09/839,946

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Williams, et al.

FILING DATE
April 19, 2001

GROUP
Unknown

1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JK8	3,616,231	10/26/71	Bergmeyer et al.	195	66	
	4,460,683	07/17/84	Gloge et al.	435	10	
	4,766,106	08/23/88	Katre et al.	514	12	
	4,847,325	07/11/89	Shadie et al.	525	54.1	
	5,286,637	02/15/94	Veronese et al.	435	183	
	5,382,518	01/17/95	Caput et al.	435	191	
	5,541,098	07/30/96	Caput et al.	435	191	
	5,612,460	03/18/97	Zalipsky	530	391.9	
	5,653,974	08/05/97	Hung et al.	424	85.1	
JK6	5,643,575	07/01/97	Martinez et al.	424	194.1	
JK6	5,880,255	03/09/99	Delgado et al.	530	303	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JK8	DD 279 486 A1	06/06/90	East Germany				X
	DD 279 486 A1	06/06/90	East Germany-Abstract			X	
	09154581	06/17/97	Japan				X
	09154581	06/17/97	Japan-Abstract			X	
JK6	WO 94/19007	09/01/94	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
JK8	17	Abuchowski et al., (1976), Effect of Covalent Attachment of Polyethylene Glycol on Immunogenicity and Circulating Life of Bovine Liver Catalase, <u>The Journal of Biochemical Chemistry</u> 252:3582-3586
	18	Burnham, Nora, (1994), Polymers for Delivering Peptides and Proteins, <u>Am. J Hosp Pharm</u> , 51:210-218
	19	Chua et al., (1988), Use of Polyethylene Glycol-Modified Uricase (PEG-Uricase) to Treat Hyperturicemia in a Patient with Non-Hodgkin Lymphoma, <u>Annals of Internal Medicine</u> 108:114-117.
	20	Davis et al., (1981), Hypouricaemic Effect of Polyethyleneglycol Modified Urate Oxide, <u>The Lancet</u> pgs. 281-283.
JK8	21	Davis et al., (1978), Enzyme-Polyethylene Glycol Adducts: Modified Enzymes with Unique Properties, <u>Enzyme Engineering</u> 4:169-173.

EXAMINER	DATE CONSIDERED
T. Saidha	2/26/04

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

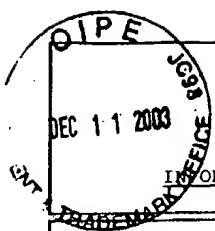
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SHEET 2 OF 2

FORM PTO-149 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MVIEWD.1A2DV1	APPLICATION NO. 09/839,948
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Williams, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE April 19, 2001	GROUP Unknown 1652

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
Jas	22	Donadio et al., (1981), Manifestation De Type Anaphylactique Apres Injection Intra-Veineuse D'urate-Oxydase Chez Un Enfant Asthmatique Atteint De Leucemie Aigue, <u>La Nouvelle Presse Medicale</u> 28:711-712.	
	23	Fam (1990), Strategies and Controversies in the Treatment of Gout and Hyperuricaemia, <u>Clinical Rheumatology International Practice and Research</u> 4:177-192.	
	24	Hande et al., (1984), Severe Allopurinol Toxicity, <u>The American Journal of Medicine</u> 76:47-56.	
	25	Hedlund et al., (1991), Magnetic Resonance Microscopy of Toxic Renal Injury Induced by Bromoethylamine in Rats, <u>Fundamental and Applied Toxicology</u> 18:787-797.	
	26	Kahn, et al., (1997), Kinetic Mechanism and Cofactor Content of Soybean Root Nodule Urate Oxidase, <u>American Chemical Society</u> 36:4731-4738.	
	27	Kunitani et al., (1991), On-Line Characterization of Polyethylene Glycol-Modified Proteins, <u>Journal of Chromatography</u> 588:125-137.	
	28	Leach et al., (1998), Efficacy of Urate Oxidase (Uricozyme) in Tumor Lysis Induced Urate Nephropathy, <u>Blackwell Science Limited</u> 20:169-172.	
	29	Legoux et al., (1991), Cloning and Expression in Escherichia coli of the Gene Encoding Aspergillus flavus Urate Oxidase <u>The Journal of Biological Chemistry</u> 267:8565-8570.	
	30	Mahmoud et al., (1998), Advances in the Management of Malignancy-Associated Hyperuricaemia, <u>British Journal of Cancer</u> 77:18-20.	
	31	Miura et al., (1994), Urate Oxidase is Imported into Peroxisomes Recognizing the C-terminal SKL Motif of Proteins, <u>Eur. J. Biochem</u> 223:141-146.	
	32	Nishimura et al., (1981), Improved Modification of Yeast Uricase with Polyethylene Glycol, Accompanied with Nonimmunoreactivity towards Anti-Uricase Serum and High Enzymic Activity, <u>Enzyme</u> 26:49-53.	
	33	Nucci et al., (1991), The Therapeutic Value of Poly(Ethylene Glycol)-Modified Proteins, <u>Advanced Drug Delivery Reviews</u> 6:133-151.	
	34	Pui et al., (1997), Urate Oxidase in Prevention and Treatment of Hyperuricemia Associated with Lymphoid Malignancies, <u>Leukemia</u> 11:1813-1816.	
	35	Shearwater Polymers, Inc. (1997-1998), Functionalized Biocompatible Polymers for Research and Pharmaceuticals, <u>Shearwater Polymers, Inc. Catalog</u> 27, 47, 48.	
	36	Saifer, et al., (1994), Plasma Clearance and Immunologic Properties of Long-Acting Superoxide Dismutase Prepared Using 35,000 to 120,000 Dalton Poly-Ethylene Glycol, <u>Advances in Experimental Medicine and Biology</u> 366:377-387.	
	37	Sartore et al., (1991), Enzyme Modification by MP EG with an Amino Acid or Peptide as Spacer Arms, <u>Applied Biochemistry and Biotechnology</u> 27: 45-54.	
	38	Venkataseshan et al., (1990), Acute Hyperuricemic Nephropathy and Renal Failure after Transplantation, <u>Nephron</u> 56:317-321.	
	39	Veronese et al., (1985), Surface Modification of Proteins, <u>Applied Biochemistry and Biotechnology</u> 11:141-152.	
	40	Veronese et al., (1997), New Synthetic Polymers for Enzyme and Liposome Modification in <u>Poly(ethylene Glycol) Chemistry and Biological Applications</u> . Chapter 13:182-192.	
	41	Wu et al., (1989), Urate Oxidase: Primary Structure and Evolutionary Implications <u>Proc. Natl. Acad. Sci. USA</u> 86:9412-9416.	
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Jas	43	Yasuda et al., (1990), Biochemical and Biopharmaceutical Properties of Macromolecular Conjugates of Uricase with Dextran and Polyethylene Glycol. <u>Chem. Pharm. Bull.</u> 38:2053-2056.	

EXAMINER	T. Sardha	DATE CONSIDERED	2/26/04
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			



FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
2057.0090003/JAG/BJDAPPLICATION NO.
09/839,946APPLICANT
Williams et al.FILING DATE
April 19, 2001GROUP
1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>JKS</i>	AR	<u>19</u>	Wang, X., et al., "Rat urate oxidase: cloning and structural analysis of the gene and 5'-flanking region," <i>Gene</i> 97:223-229 (1991).
<i>JKS</i>	AS	<u>19</u>	Alvares, K., et al., "The nucleotide sequence of a full length cDNA clone encoding rat liver urate oxidase," <i>Biochem. Biophys. Res. Commun.</i> 158:991-995 (1989) (abstract only).
<i>JKS</i>	AT	<u>19</u>	NCBI Entrez Protein (PRF) Database, deposited sequence for rat urate oxidase (NP 446220), National Library of Medicine, National Institutes of Health, Accession No. 20127395, available online at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Search&DB=protein (accessed December 10, 2003).

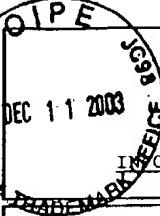
EXAMINER

T. Sardha

DATE CONSIDERED

2/26/04

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FORM PTO-1449		ATTY. DOCKET NO. 2057.0090003/JAG/BJD	APPLICATION NO. 09/839,946
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT Williams et al.	
		FILING DATE April 19, 2001	GROUP 1652

U.S. PATENT DOCUMENTS

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<i>JKS</i>	AT	<u>19</u>	NCBI Entrez Protein (PRF) Database, deposited sequence for rat urate oxidase (NP 446220), National Library of Medicine, National Institutes of Health, Accession No. 20127395, available online at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Search&DB=protein (accessed December 10, 2003).

EXAMINER *T. Sardha*

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